

Converting Colors

XYZ(29.9507, 18.0905, 1.7989)

Have a look what the booklet for
XYZ(29.9507, 18.0905, 1.7989)
contains.

XYZ(30.0964, 18.1539, 1.9178)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.0964, 18.1539,
1.9178)**

Conversions

Conversions Part 1

Format	Color
Hex	D83F00
RGB	216, 63, 0
RGB Percent	85%, 25%, 0%
CMY	0.1529, 0.7529, 1.0000
CMYK	0.00, 0.71, 1.00, 0.15
HSL	18°, 100%, 42%
HSV	18°, 100%, 85%
XYZ	30.0964, 18.1539, 1.9178
YIQ	101.5650, 111.4110, 12.8430

Conversions

Conversions Part 2

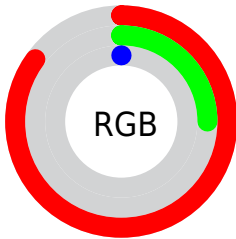
Format	Color
RYB	216, 89, 0
Decimal	14171904
CIELab	49.68, 57.68, 61.21
CIELCh	50, 84.106, 46.698
Yxy	18.1539, 0.5999, 0.3619
Android (android.graphics.Color)	4292361984 (0xFFD83F00)
YUV	101.5650, -50.0715, 100.3595
Hunter-Lab	42.6074, 51.5233, 27.1565

Details

The XYZ color **30.0964, 18.1539, 1.9178** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **23.7845, 27.7376, 69.0656**, and the grayscale version is **12.6229, 13.2803, 14.4623**.

A 20% lighter version of the original color is **48.6262, 34.7694, 8.2860**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **30.0967, 18.1548, 1.9179**, and if you desaturate by 10%, it is **31.2061, 20.1481, 2.9834**.

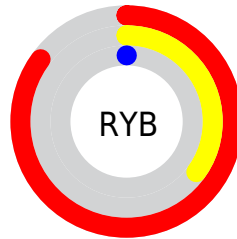
Distribution



Red (85%)

Green (25%)

Blue (0%)



Red (85%)

Yellow (35%)

Blue (0%)

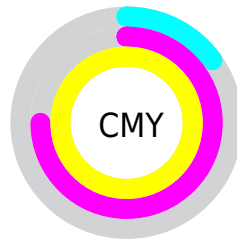


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0964, 18.1539, 1.9178 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 30.0964, 18.1539, 1.9178 by changing the saturation by 10% instead.

 30.0964, 18.1539,
1.9178


 30.0964, 18.1539,
1.9178


 294.2553,
241.7371, 121.0870


 20.0602, 11.0605,
0.5040


 59.2002, 40.2994,
8.8148


 12.5473, 6.1076,
0.0000


 78.9985, 56.1203,
15.2045


 7.1924, 2.9106,
0.0000


 102.7815, 75.6192,
24.1130

 3.6301, 1.0852,
0.0000

 130.9146, 99.1805,
35.9589

 1.4951, 0.0000,
0.0000

 163.7632,
127.1885, 51.1607

 0.3225, 0.0000,
0.0000


 201.6926,


 0.0000, 0.0000,


160.0277, 70.1370


0.0000


 245.0682,
198.0824, 93.3062


 30.0964, 18.1539,
1.9178


 30.0964, 18.1539,
1.9178


 30.0967, 18.1548,
1.9179

 31.2061, 20.1481,
2.9834

 32.7264, 22.7107,
4.9638

 34.7259, 25.8958,
8.1392

 37.2483, 29.7444,
12.6674

 40.3316, 34.2937,
18.6817

■ 44.0102, 39.5777,
26.2991

■ 48.3153, 45.6282,
35.6251

■ 53.2758, 52.4751,
46.7557

■ 58.9188, 60.1466,
59.7802

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.5730, 18.1539, 9.6205



30.0964, 18.1539, 1.9178



21.0403, 18.1539, 0.2663

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.0964, 18.1539, 1.9178



6.1990, 18.1539, 11.2664



22.0612, 18.1539, 99.0750

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.0964, 18.1539, 1.9178



23.7845, 27.7376, 69.0656

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.9529, 18.1539, 101.0669



30.0964, 18.1539, 1.9178



6.3190, 18.1539, 35.3134

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.0964, 18.1539, 1.9178



8.3086, 18.1539, 2.3345



8.7109, 18.1539, 72.2620



31.0399, 18.1539, 67.9698

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0964, 18.1539, 1.9178



15.5225, 18.1539, 0.1487



8.7109, 18.1539, 72.2620



19.1113, 18.1539, 103.7041

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.0968, 18.1550, 1.9181



70.1699, 66.1818, 51.4592



34.2183, 16.9587, 32.3923



14.4261, 13.3361, 9.7169



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.0968, 18.1550, 1.9181



43.7146, 26.2091, 2.7549



42.5439, 43.0493, 6.0671



12.7155, 13.0052, 13.0008



17.8956, 10.9085, 1.1623



1.1504, 0.8001, 0.0938

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.7845, 27.7376, 69.0656



34.4957, 40.1113, 100.5319



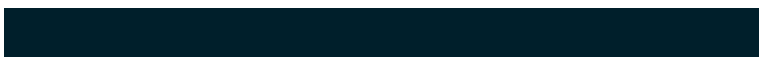
13.4032, 6.9751, 65.6051



12.4720, 13.4674, 15.8796



14.1752, 16.6122, 40.9125



0.9248, 1.1416, 2.4909

Previews

White Background



This preview shows how the XYZ color 30.0964, 18.1539, 1.9178 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.0964, 18.1539, 1.9178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0964, 18.1539, 1.9178

Background



This preview shows how black text looks on a background with the XYZ color 30.0964, 18.1539, 1.9178.



This preview shows how white text looks on a background with the XYZ color 30.0964, 18.1539,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.0964, 18.1539, 1.9178

Protanopia

16.5932, 18.3279, 3.5272

Deuteranopia

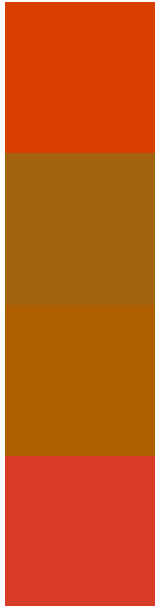
18.4828, 18.2943, 2.5570



Tritanopia

31.0215, 18.2166, 6.2960

Trichromacy



Original Color

30.0964, 18.1539, 1.9178

Protanomaly

19.8579, 16.8507, 2.6578

Deuteranomaly

21.5478, 17.1831, 2.1810

Tritanomaly

30.5973, 18.1299, 3.8062

Monochromacy



Original Color

30.0964, 18.1539, 1.9178

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.7716, 13.2007, 6.7178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0964, 18.1539, 1.9178 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(216, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 63, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(216, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 63, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.0964, 18.1539, 1.9178 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 63, 0) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(216, 63, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(216, 63, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 63, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.0964, 18.1539, 1.9178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 63, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(216, 63,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor